I49.89.82/47-1/map A11

MMS 85-0011
FWS/OBS-82/47.1

MAP A11

Valdosta

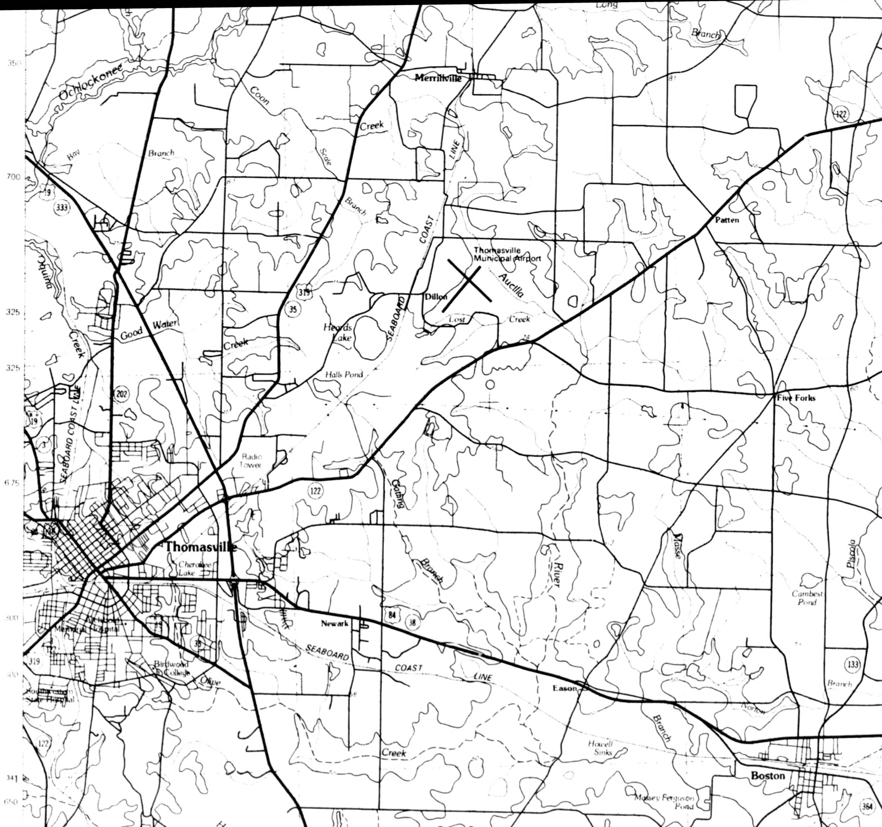
FLORIDA ECOLOGICAL ATLAS

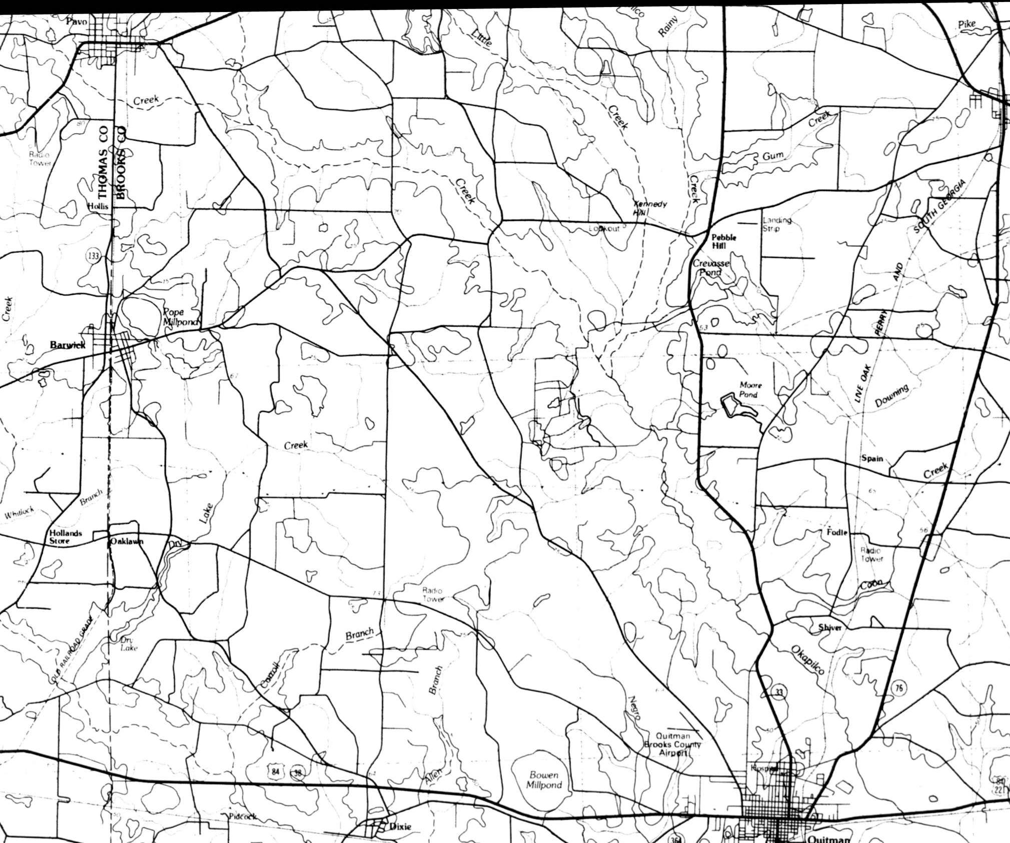
BIOLOGICAL RESOURCES

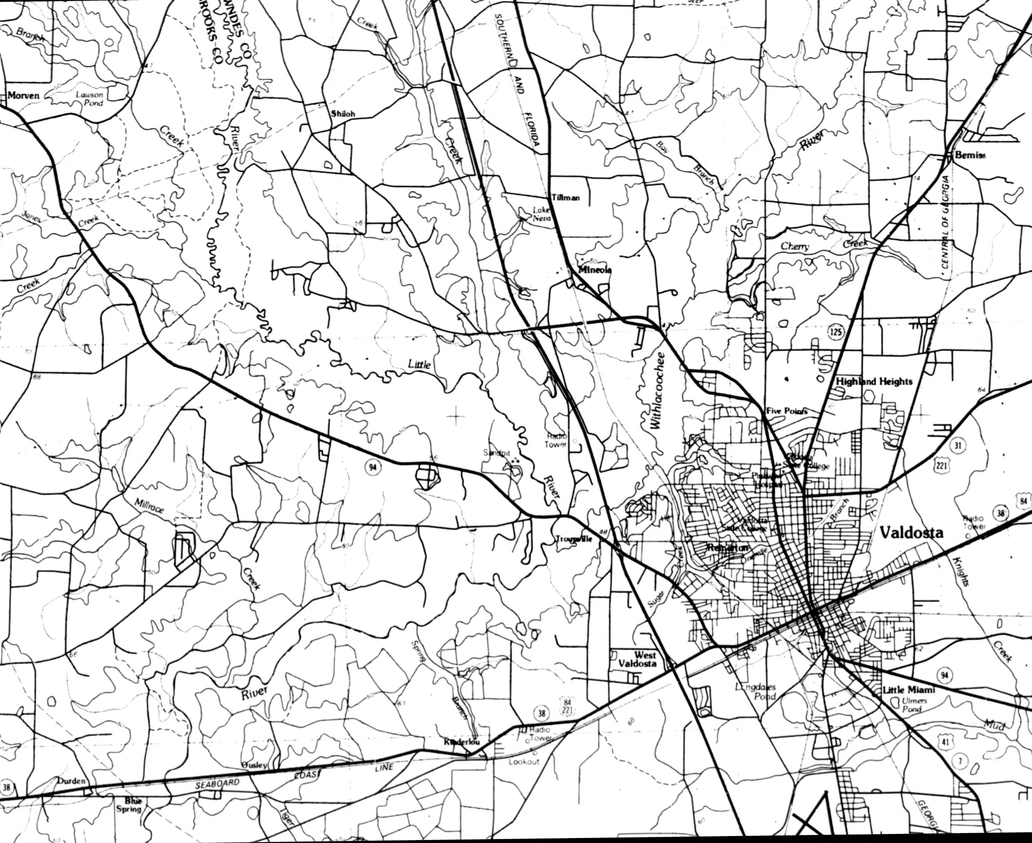
ORIGINAL

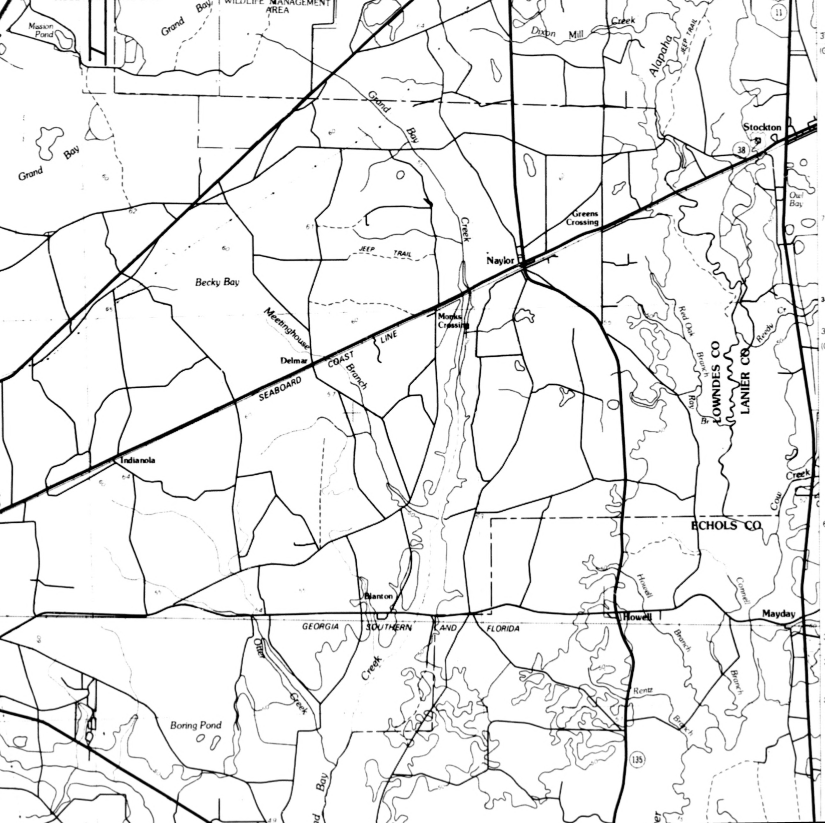
VALDOSTA, GEORGIA–FLORIDA

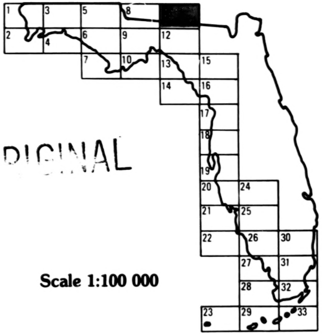
30 X 60 MINUTE SERIES (TOPOGRAPHIC)


Long
Branch
350
Ochlockonee
Merrillville
Coon
Creek
Scale
LINE
Bay
Branch
700
19
333
Branch
COAST
Patten
Thomasville
Municipal Airport
Aucilla
Dillon
Lost
Creek
319
35
Heards
Lake
SEABOARD
Halls Pond
Good
Water
Creek
325
325
202
SEABOARD COAST LINE
Five Forks
19
3
Radio
Tower
122
Cutting
675
Thomasville
Cherokee
Lake
Branch
River
Masse
Piscola
Cambest
Pond
300
Archbold
Memorial Hospital
122
319
35
Birdwood
College
Olive
Newark
84
38
SEABOARD
COAST
LINE
Eason
133
Branch
Norton
Southwestern
State Hospital
Branch
122
Howell
Sinks
Creek
341
650
Boston
Massey Ferguson
Pond
364
122


Pavo
Little
Rainy
Pike
Creek
Creek
Creek
Gum
Creek
THOMAS CO
BROOKS CO
Radio Tower
Hollis
Creek
Kennedy Hill
Creek
Lookout
Pebble Hill
Landing Strip
SOUTH GEORGIA
AND
PERRY
LIVE OAK
133
Crevasse Pond
Creek
Pope Millpond
Barwick
Moore Pond
Downing
Creek
Spain
Creek
Whitlock
Branch
Lake
Hollands Store
Oaklawn
Dry
Fodle
Radio Tower
Coon
Radio Tower
Shiver
Branch
Dry Lake
OLD RAILROAD GRADE
Carroll
Branch
Okapilco
33
76
Negro
Quitman
Brooks County
Airport
Allen
Bowen Millpond
84
38
Hospital
Pidcock
Dixie
364
Quitman
84
221


Valdosta
Morven
Lawson Pond
Shiloh
Tillman
Lake Neva
Mineola
Bemiss
Highland Heights
Five Points
Valdosta State College
Pineland Hospital
Remerton
Troupville
West Valdosta
Little Miami
Ulmers Pond
Langdales Pond
Kinderlou
Ousley
Durden
Blue Spring
Sandpit
Radio Tower
Lookout
LOWNDES CO
BROOKS CO
SOUTHERN AND FLORIDA
CENTRAL OF GEORGIA
SEABOARD COAST LINE
GEORGIA
Withlacoochee
Little River
Creek
Branch
Jones Creek
Cherry Creek
Bay Branch
Millrace Creek
Spring Branch
Sugar Creek
One Mile Branch
Knights Creek
Mud
Tiger
94
125
31
221
84
38
41
7
84 221
74
68
66
64
62
56
55
50
47
48
60
70


WILDLIFE MANAGEMENT AREA
Mission Pond
Grand Bay
Dixon Mill Creek
Alapaha
JEEP TRAIL
350 000 FEET (GA WEST)
Stockton
Owl Bay
Greens Crossing
Becky Bay
Naylor
JEEP TRAIL
Creek
Meetinghouse
Monks Crossing
Delmar
SEABOARD COAST LINE
Branch
Red Oak Branch
Ray Br
LOWNDES CO
LANIER CO
Reedy Cr
325 000 FEET (GA EAST)
Indianola
Cow Creek
ECHOLS CO
Blanton
Howell
Connell
Mayday
GEORGIA SOUTHERN AND FLORIDA
Otter Creek
Creek
Branch
Rentz Branch
Boring Pond
Grand Bay
700
675
300
11
38
135


1
2
3
4
5
6
7
8
9
10
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33

ORIGINAL

Scale 1:100 000

TOPICAL MAPS IN THIS ATLAS:

- A. BIOLOGICAL RESOURCES
- B. SOCIOECONOMIC FEATURES
- C. SOILS AND LANDFORMS
- D. OIL, GAS AND MINERALS
- E. HYDROLOGY AND CLIMATOLOGY

1984

Produced by U.S. Fish and Wildlife Service
and Minerals Management Service

Projection and 10,000 meter grid, zone 17: Universal Transverse Mercator
25,000-foot grid ticks based on Florida coordinate system, west zone

Overlay material compiled in 1983 f

1984

Produced by U.S. Fish and Wildlife Service and Minerals Management Service

Projection and 10,000 meter grid, zone 17. Universal Transverse Mercator
25,000-foot grid ticks based on Florida coordinate system, west zone

Overlay material compiled in 1983 from latest available data obtained from Federal, State and Local government agencies and other sources.

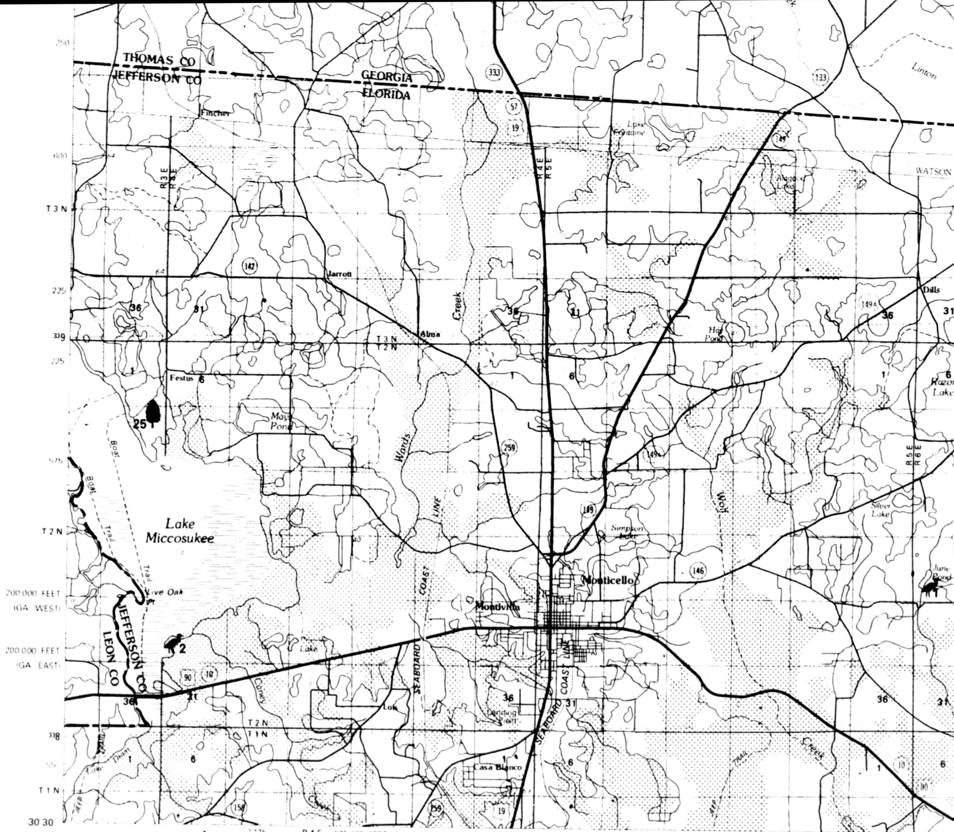
MAJOR HABITATS

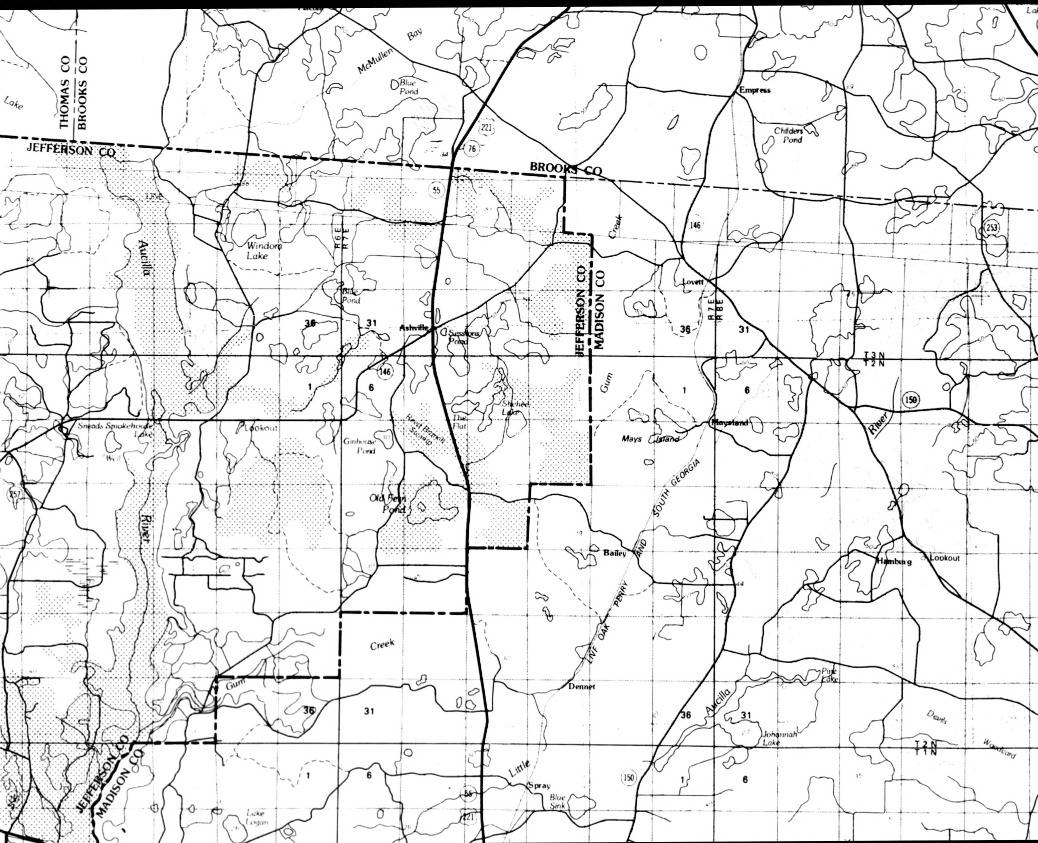
- Estuarine (saltwater) Tidal Marsh
- Estuarine Scrub/Shrub (Mangrove)
- Palustrine (freshwater) Marsh
- Palustrine Forest
- Seagrass Bed

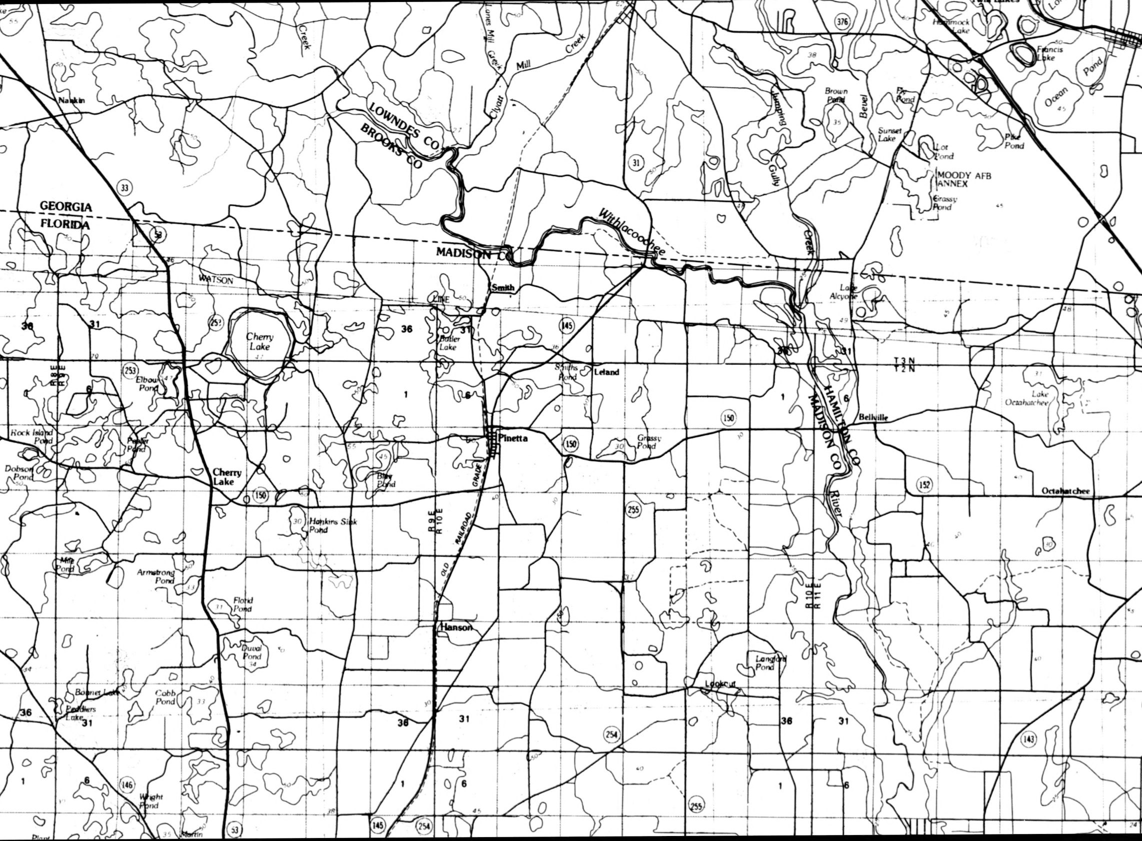
ARTIFICIAL REEF
(Permitted by Florida Dept. of Environmental Regulation)
Numbers next to reefs refer to composition data in narrative. Reef shapes vary on map.

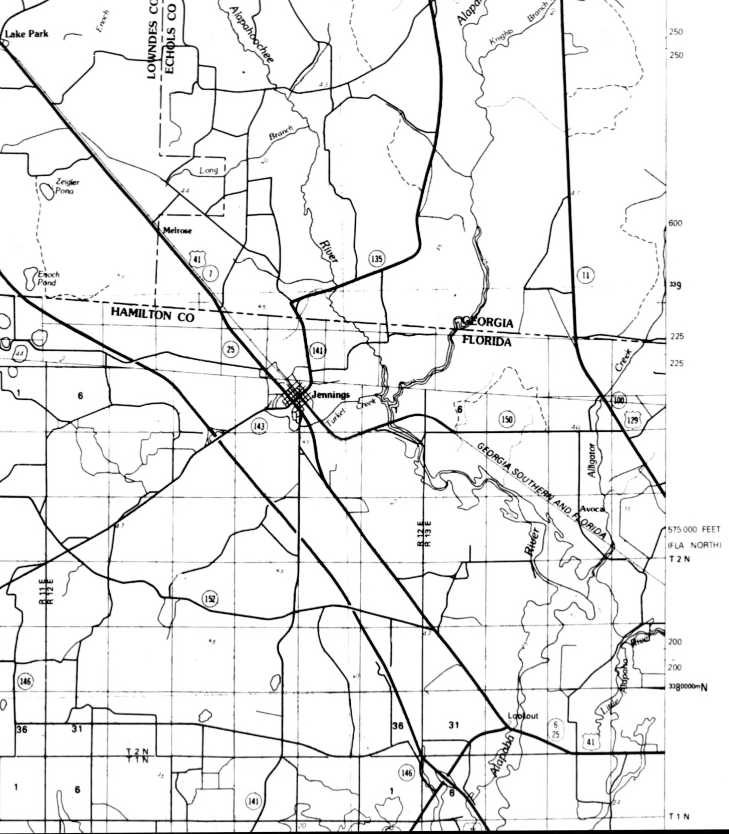
SHELLFISH HARVEST AREA
(Florida Dept. of Natural Resources)

- SHA — Shellfish Harvest Approved
- SHCA — Shellfish Harvest Conditionally Approved


THOMAS CO
JEFFERSON CO
GEORGIA
FLORIDA
Fincher
Lake Fontaine
Linton
WATSON
Alligator Lake
R 3 E
R 4 E
R 5 E
R 6 E
T 3 N
T 2 N
T 1 N
Jarrott
Alma
Dills
Festus
May Pond
Hay Pond
Razor Lake
Wards Creek
Creek
Wolf
Lake Miccosukee
Boat Trail
Live Oak Pt
Silver Lake
Simpson Lake
June Pond
Monticello
Montivilla
SEABOARD COAST LINE
Lois
Landing Field
Casa Blanco
Coney
LEON CO
JEFFERSON CO
TRAIL
JEEP TRAIL
Lake Drain
250
600
225
339
575
338
200 000 FEET (GA WEST)
200 000 FEET (GA EAST)
30°30'
333
133
57
19
149
149A
142
259
146
90
10
158
36
31
1
6
25
2


Lake
THOMAS CO
BROOKS CO
McMullen
Bay
Blue Pond
221
76
JEFFERSON CO
BROOKS CO
Empress
Childers Pond
253
55
146
Creek
Windom Lake
R 6 E
R 7 E
Aucilla
Blue Pond
Lovett
R 7 E
R 8 E
JEFFERSON CO
MADISON CO
36
31
Ashville
Sessions Pond
36
31
T 3 N
T 2 N
146
1
6
Gum
1
6
150
Shehee Lake
The Flat
Sneads Smokehouse Lake
Lookout
Reed Bozeth Swamp
Ginhouse Pond
Mays Island
Maysland
River
Well
257
SOUTH GEORGIA
Old Fern Pond
River
Bailey
AND
Hamburg
Lookout
PERRY
LIVE OAK
Creek
Gum
Dennet
Pine Lake
36
31
36
Aucilla
31
Johannah Lake
Devils
Woodyard
T 2 N
T 1 N
1
6
Little
Spray
150
1
6
Blue Sink
55
221
Lake Logan
JEFFERSON CO
MADISON CO


Creek
Lones Mill Creek
Mill Creek
376
Hammock Lake
Francis Lake
Ocean Pond
Nankin
LOWNDES CO
BROOKS CO
Clyatt
Brown Pond
Bevel
Fly Pond
Jumping Gully
Sunset Lake
Lot Pond
Pike Pond
31
33
MOODY AFB ANNEX
Grassy Pond
GEORGIA
FLORIDA
53
Withlacoochee
Creek
MADISON CO
WATSON
Smith
LINE
Lake Alcyone
36
31
253
Cherry Lake
36
Butler Lake
145
31
T 3 N
T 2 N
253
Elbow Pond
6
1
6
Smiths Pond
Leland
1
HAMILTON CO
MADISON CO
6
Lake Octahatchee
Bellville
150
Rock Island Pond
Peeler Pond
Pinetta
150
Grassy Pond
Dobson Pond
Cherry Lake
150
Bley Pond
GRADE
152
Octahatchee
River
255
Hankins Sink Pond
R 9 E
R 10 E
RAILROAD
OLD
Mile Pond
Armstrong Pond
Florid Pond
R 10 E
R 11 E
Hanson
Duval Pond
Langford Pond
Lookout
Bonnet Lake
Peddlers Lake
Cobb Pond
36
31
36
31
36
31
254
143
1
6
146
Wright Pond
1
6
1
6
255
Plant
Martin
53
145
254


Lake Park
Enoch
LOWNDES CO
ECHOLS CO
Alapahoochee
Alapaha
Knights Branch
Branch
Long
Zeigler Pond
Melrose
41
7
River
135
11
Enoch Pond
HAMILTON CO
GEORGIA
FLORIDA
Creek
44
25
141
Jennings
Turkey Creek
143
6
150
100
129
1
6
GEORGIA SOUTHERN AND FLORIDA
Alligator
Avoca
River
R 12 E
R 13 E
R 11 E
R 12 E
152
146
River
Little Alapaha
Lookout
6
25
41
36
31
36
31
1
6
T 2 N
T 1 N
146
141
Alapaha
1
6
250
250
600
339
225
225
575 000 FEET
(FLA NORTH)
T 2 N
200
200
3380000m N
T 1 N

☐ Seagrass Bed

■ **ARTIFICIAL REEF**
(Permitted by Florida Dept. of Environmental Regulation)
Numbers next to reefs refer to composition data in narrative. Reef shapes vary on map.

SHELLFISH HARVEST AREA
(Florida Dept. of Natural Resources)

SHA Shellfish Harvest Approved

SHCA Shellfish Harvest Conditionally Approved

NOTE: Due to Dept. of Natural Resources (DNR) water quality standards all other estuarine areas are prohibited or unclassified as to shellfish harvest status and are officially unapproved. For further info. on status of harvest areas contact DNR - Shellfish Environmental Assessment Section.

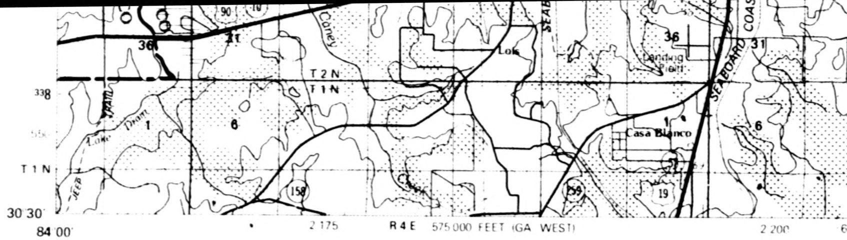
Oys-1 Public Oyster Bed

Oys-2 Private Oyster Bed (Lease)

● Scallop Bed

FINFISH SPAWNING, NURSERY AND HARVEST AREAS
(Recreational Hook and Line Fishing)

SPECIES #	FINFISH	SPAWNING													NURSERY AREA[1]	MAJOR NURSERY HABITATS							AREA OF ADULT ABUNDANCE[1]	MAJOR ADULT HABITATS						MIGRATION TYPE[2]
	CATEGORY Common Name	LOCATION[1]	SEASON J		M		M		J		S		N			Seagrass	Mangrove	Saltmarsh	Beach	Coral Reef	Artificial Reef	Open Water		Seagrass	Mangrove	Beach	Coral Reef	Artificial Reef	Open Water	
	ESTUARINE DEPENDENT FISHES																													
1	Red Drum	C	■	■							■	■	■	■	E	●	●	●					E	●	●	●				2
2	Spotted Seatrout	E			■	■	■	■	■	■	■	■			E	●	●	●					E	●	●	●				2
3	Snook	C					■	■	■	■	■	■	■		E	●	●	●					E	●	●					2
4	Atlantic Croaker	CS	■	■	■						■	■	■	■	E	●	●	●	●				E	●	●	●				2
5	Southern Flounder	C									■	■	■	■	C-E	●		●	●				C-E	●		●				2
6	Florida Pompano	CS		■	■	■	■	■	■	■	■	■			C-E				●				C-E			●			●	3
7	Striped Mullet	CS	■	■								■	■	■	E	●	●	●					E	●	●	●				3
8	Gulf Menhaden	C	■	■	■								■	■	E	●	●	●	●				C-E	●		●			●	3
9	Scaled Sardine	C						■	■	■	■				E	●	●	●	●				C-E	●		●			●	3
	REEF FISHES																													
10	Red Grouper	CS			■	■	■	■							CS-C	●				●	●		CS				●	●		2
11	Jewfish	CS							■	■					CS-C	●				●	●		CS-C				●	●		2
12	Gag Grouper	CS	■	■	■	■								■	CS-C	●				●	●		CS-C				●	●		2
13	Scamp	CS			■	■									CS	●				●	●		CS				●	●		2
14	Red Snapper	CS							■	■	■	■			CS-C					●	●		CS-C				●	●		2
15	Mangrove Snapper	CS				■	■	■	■	■					C-E	●	●	●					C-E				●	●		2
	COASTAL PELAGIC FISHES																													


90
10
36
31
Coney
Lok
SEAB
Landing
Field
36
COAS
31
SEABOARD
T 2 N
T 1 N
338
TRAIL
Lake Drain
1
6
Casa Blanco
1
6
T 1 N
JEEP
158
259
19
30°30′
84°00′
2 175
R 4 E 575 000 FEET (GA WEST)
2 200

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1981

THE FLORIDA ECOLOGICAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE, DIVISION OF BIOLOGICAL SERVICES, NATIONAL COASTAL ECOSYSTEMS TEAM (FWS/OBS - 82/47) AND THE MINERALS MANAGEMENT SERVICE FOR COASTAL PLANNERS, DECISION MAKERS, AND THE GENERAL PUBLIC, TO DETERMINE AND EVALUATE CHANGE AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE REQUIREMENTS, AND THE MAINTENANCE OF ECOLOGICAL DIVERSITY. THE STUDY AREA INCLUDES THE COASTAL COUNTIES: ESCAMBIA, SANTA ROSA, OKALOOSA, WALTON, WASHINGTON, BAY, CALHOUN, GULF, FRANKLIN, WAKULLA, JEFFERSON, TAYLOR, DIXIE, LEVY, CITRUS AND HERNANDO, AND EXTENDS OFFSHORE APPROXIMATELY 10 MILES. THERE IS NO ATTEMPT, IN THE DESIGN OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPRIETARY JURISDICTION OF ANY FEDERAL, STATE, OR LOCAL GOVERNMENT TO ESTABLISH THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS. SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT RELY ON THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFO

MAJOR HABITATS: National Wetlands Inventory
1:250,000 Scale. U.S. Fish and Wildlife Servic

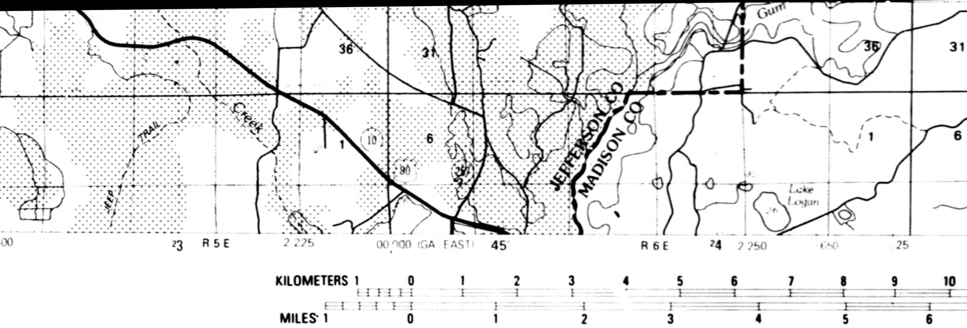
SEAGRASS BEDS: Personal Communication, Dr.
Taylor Biological Co., Inc., Lynn Haven, Fla. 19
National Wetlands Inventory Maps, 1:250,000
and Wildlife Service, 1981-82.
Marine Grass Beds Inventory, North Florida Co
Fish and Wildlife Service, 1981.
Color Aerial Photography (NASA), 1:65,000 Sc
U.S.F.W.S. Ecological Services Division, Panam

ARTIFICIAL REEFS: Computer Printout of Florida
Reefs. U.S. Army Corps of Engineers, 1981.
Recreational Use Reefs in Florida Artificial and
Natural, Florida Sea Grant Program, 1979.

SHELLFISH HARVEST AREAS: Shellfish Harvest
Dept.of Natural Resources, 1982.

PUBLIC & PRIVATE OYSTER BEDS: Cooperative
Estuarine Inventory and Study, Florida, McNult
and Sykes, 1972.

COPY RESOLUTIO
NBS - 10


Gum
36
31
36
31
Creek
TRAIL
JEEP
10
90
1
6
JEFFERSON CO
MADISON CO
Lake Logan
26
1
6
00
23
R 5 E
2 225
00 000 (GA EAST)
45'
R 6 E
24
2 250
650
25
KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10
MILES 1 0 1 2 3 4 5 6

RMATION:

Maps,
e, 1981-82.

John L. Taylor,
83
Scale, U.S. Fish

oast, U.S.

ale, located at
na City, Fla. 1980.

Artificial

0

Area Maps.

Gulf of Mexico
y, Lindall

SCALLOP BEDS: Personal Communication, Mr. Bill Lyons, Dept. of Natural Resources, Marine Research Laboratory, 1982.

FINFISH SPAWNING, NURSERY & HARVEST AREAS: Florida's Fishing Grounds, Moe, 1970.

SENSITIVE PLANT SPECIES: Computer Printout of Species Data, Florida Natural Areas Inventory, 1983.
Personal Communication, Maps and Data, Mr. Don Palmer, Endangered Species Program, U.S. Fish and Wildlife Service, 1982.

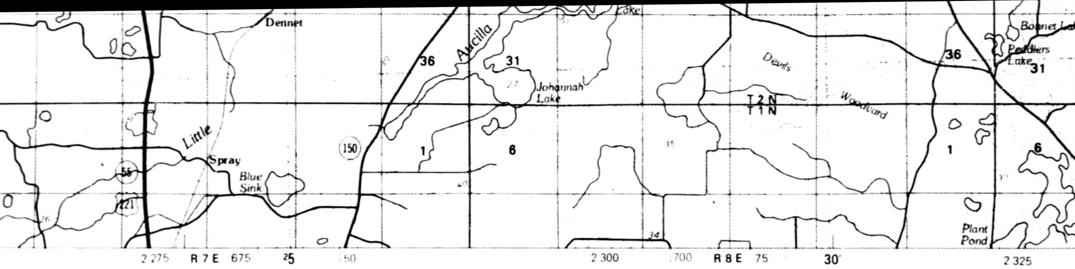
BIRD NESTING SITES: Florida Atlas of Breeding Sites for Herons and Their Allies: 1976-78, Nesbitt, S.A., Ogden, J.C., Kale II, H.W., et al., U.S. Fish and Wildlife Service, 1982.
Personal Communication, Maps and Data, Dr. H.W. Kale II, Florida Audubon Society, 1982.

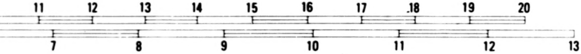
THREATENED & ENDANGERED ANIMALS: Computer Printout of Species Data, Florida Natural Areas Inventory, 1983.
Personal Communication, Mr. Don Wood, Fla. Game and Fresh Water Fish Commission, 1983.

Summary of Marine Turtle Activity in Florida, Huff, A.J., Witham, P.R., Haag, J.L., et.al., Dept. of Natural Resources, 1981 (Unpublished).
Status of Florida Nesting Brown Pelicans: 1971-76, Nesbitt, S.A., Fogarty, M.J. and Williams, L.E., Fla. Game and Fresh Water Fish Commission, 1977.

SENSITIVE HABITAT: Personal Communication, Maps and Data, Mr. Steve Nesbitt, Fla. Game and Fresh Water Fish Commission, 1983.

FOR COMPLETE REFERENCES SEE MAP NARRATIVE


Dennet
Lake
Aucilla
36
31
Johannah Lake
Devils
Woodward
T 2 N
T 1 N
Bonnet La
Peddlers Lake
36
31
Little
Spray
Blue Sink
150
55
221
1
6
1
6
Plant Pond
2 275
R 7 E
675
25
50
2 300
700
R 8 E
75
30′
2 325


11
12
13
14
15
16
17
18
19
20
7
8
9
10
11
12
13

SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 5 METERS

5000

🌲 **SENSITIVE PLANT SPECIES**

(U.S. Fish and Wildlife Service and Florida Natural Areas Inventory data)

Number(s) appearing with symbol refers to species identification number in legend.

Species #	Common Name	Status [1]Federal	 [2]State
1.	Southern three-awned grass	1	
2.	Plumose aster	1	
3.	Pine-wood aster	1	
4.	Scare weed	1	
5.	Cruise's golden aster	1	
6.	Tropical wax-weed	1	
7.	Telephus spurge	1	
8.	Wiregrass gentian	1	
9.	Harper's beauty	E	
10.	Mock pennyroyal	1	
11.	Bent golden aster	1	

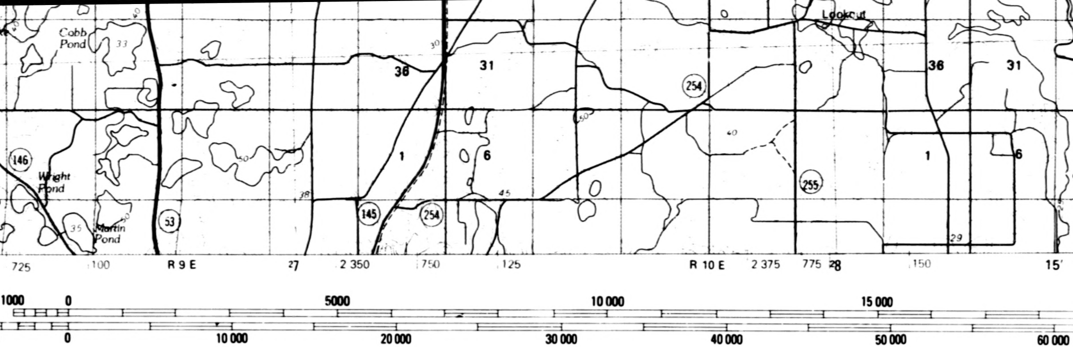
Species #	Common Name	Status [1]Federal	 [2]State
12.	Smooth-barked St. John's wort	1	
13.	Godfrey's blazing star	1	
14.	Panhandle lily	1	
15.	West's flax	1	
16.	White birds-in-a-nest	1	
17.	Ashe's magnolia	1	e
18.	Godfrey's sandwort	1	
19.	Pigmy-pipes	1	
20.	Florida beargrass	1	
21.	Giant water-dropwort	1	
22.	Butterwort	1	

Species #	Common Name	Status [1]Federal	 [2]State
23.	Large-leaved jointweed	1	
24.	Chapman's rhododendron	E	e
25.	Miccosukee gooseberry	1	e
26.	Florida skullcap	1	
27.	Tampa vervain	1	

NOTE: These species are listed as category UR-1 by the U.S.F.W.S. and as such are considered candidates for listing as threatened or endangered.

[1] United States Fish and Wildlife Service: 1 - under status review. Category 1 (sufficient information available to support listing as Endangered or Threatened)

[2] Florida Dept. of Agriculture and Consumer Services (FDACS): e — endangered; t — threatened.


Cobb Pond
Wright Pond
Martin Pond
Lookout
33
30
50
38
45
40
35
29
36
31
1
6
36
31
1
6
146
53
145
254
254
255
725
100
R 9 E
27
2 350
750
125
R 10 E
2 375
775
28
150
15′
1000
0
5000
10 000
15 000
0
10 000
20 000
30 000
40 000
50 000
60 000

COLONIAL BIRD NESTING SITE

Number appearing with symbol indicates colony sites. Colony sites and species - composition data are included in the narrative.

Shorebird

Wading Bird

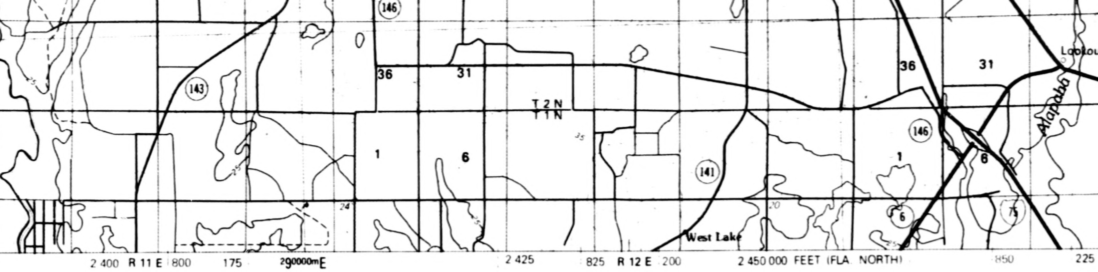
Brown Pelican

THREATENED AND ENDANGERED ANIMALS

Status: T — Federally Listed Threatened (U.S.F.W.S.)
E — Federally Listed Endangered (U.S.F.W.S.)
t — State Listed Threatened (F.G.F.W.F.C.)
e — State Listed Endangered (F.G.F.W.F.C.)

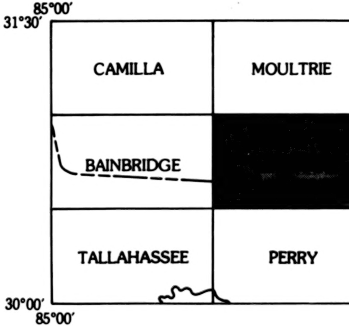
U.S.F.W.S. — U.S. Fish and Wildlife Service
F.G.F.W.F.C. — Florida Game and Fresh Water Fish Commission

	West Indian Manatee (Mapped on site-specific basis)	E, e
	Brown Pelican (Nesting Colony)	E, t


146
143
36
31
T 2 N
T 1 N
1
6
24
141
146
36
31
Lookou
Alapaha
1
6
20
6
75
West Lake
2 400 R 11 E 800
175
290000mE
2 425
825 R 12 E 200
2 450 000 FEET (FLA. NORTH)
850
225

20 000 METERS
70 000 FEET

VALDOSTA, GEORG
N3030

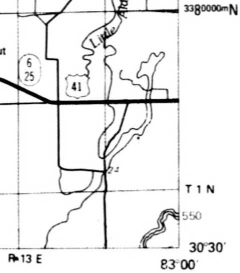

85°00′
31°30′
CAMILLA
MOULTRIE
BAINBRIDGE
TALLAHASSEE
PERRY
30°00′
85°00′

Red-Cockaded Woodpecker **(Mapped on township and range basis)**	**E, t**
Loggerhead Seaturtle **(Nesting Beach)**	**T, t**
Okaloosa Darter **(Mapped on site-specific basis)**	**E, e**

Other Threatened and Endangered species not mapped, but included in the narrative, are: Florida Panther, Marine Turtles, American Alligator and Eastern Indigo Snake.

SENSITIVE HABITAT

○ **May not represent actual location of species at the time of map publication. For details refer to narrative.**


3380000mN
6
25
41
Little
24
T 1 N
550
30°30′
R 13 E
83°00′

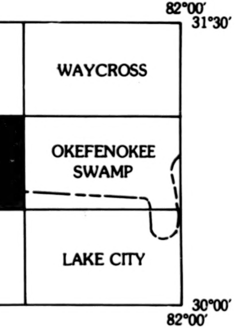
8	**Gulf Menhaden**	C	■	■	■								■	■	E	●	●	●	●				C-E	●		●			●	3
9	**Scaled Sardine**	C						■	■	■	■				E	●	●	●	●				C-E	●		●			●	3
	REEF FISHES																													
10	**Red Grouper**	CS			■	■	■	■							CS-C	●				●	●		CS				●	●		2
11	**Jewfish**	CS							■	■					CS-C	●				●	●		CS-C				●	●		2
12	**Gag Grouper**	CS	■	■	■	■								■	CS-C	●				●	●		CS-C				●	●		2
13	**Scamp**	CS			■	■									CS	●				●	●		CS				●	●		2
14	**Red Snapper**	CS							■	■	■	■			CS-C					●	●		CS-C				●	●		2
15	**Mangrove Snapper**	CS				■	■	■	■	■					C-E	●	●	●					C-E				●	●		2
	COASTAL PELAGIC FISHES																													
16	**King Mackerel**	OCS					■	■	■	■	■				CS							●	CS-C				●	●	●	4
17	**Spanish Mackerel**	CS					■	■	■	■	■				CS							●	CS-C				●	●	●	4

[1]KEY:
E — Estuarine
C — Coastal
CS — Continental Shelf
OCS — Outer Continental Shelf

[2]MIGRATION TYPE:
1 — Residentially Restricted
2 — Random Residential Range
3 — Restricted Migration
4 — Extensive Migration

IA–FLORIDA
–W8300/30 X 60

1981


82°00′
31°30′
WAYCROSS
OKEFENOKEE
SWAMP
LAKE CITY
30°00′
82°00′

STUDY AREA BOUNDARY

▪▪▪▪▪▪▪▪▪▪ Offshore

— — — Inland (County)

— — — — Inland (State)

MICROFILMED FROM
BEST AVAILABLE COPY